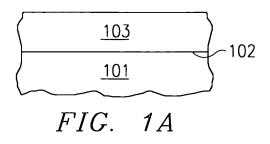
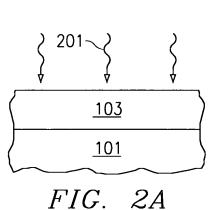
1988544 OSEO1

TI-32705

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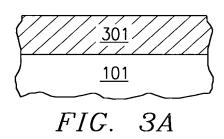


STEP 1: GATE OXIDATION 0.8-2.0 nm ~ 104



STEP 2: PLASMA NITRIDATION 100-500W, 20-80 mTorr, He/N₂=75/25%, 10-60s

FIG. 2B



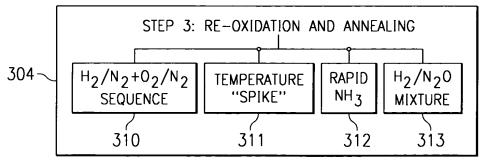


FIG. 3B

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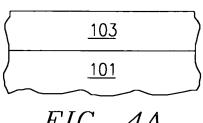


FIG. 4A

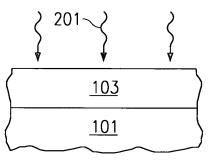


FIG. 4B

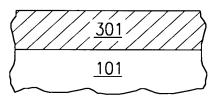


FIG. 4C

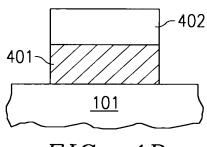
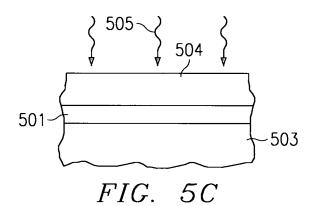
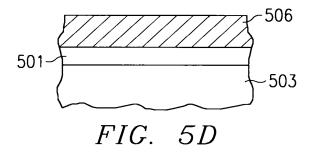


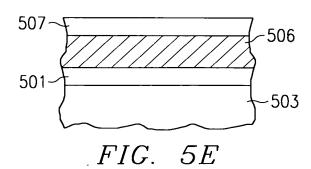
FIG. 4D



~504 501--503 FIG. 5B







TODESTAL TODEST

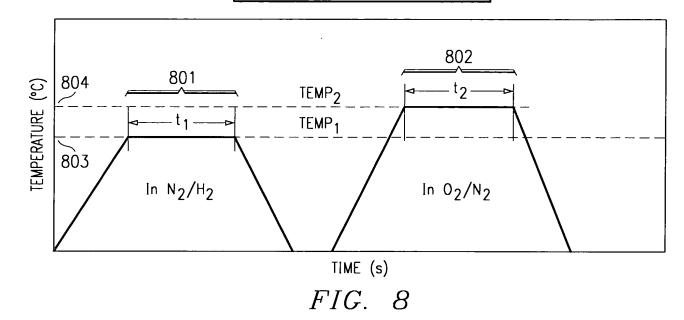
DOEST44.CGEOGI

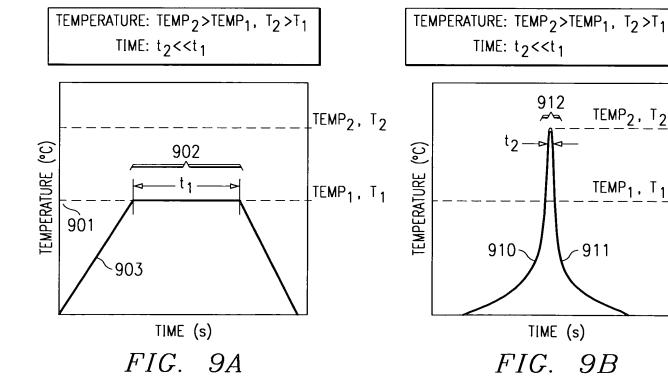
4/5

TEMPERATURE: TEMP₁= $600-1000^{\circ}$ C
TEMP₂= $800-1000^{\circ}$ C

TIME: $t_1 = 5 - 60s$

 $t_2 = 5 - 60s$





RAFTSMA1

TEMPERATURE: T₁=TEMP₁=600-1000°C

TIME: $t_1 = 5 - 60s$

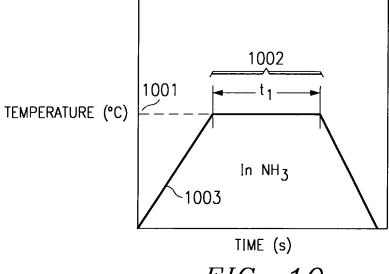


FIG. 10

TEMPERATURE: T₁=TEMP₁=800-1050°C

TIME: t₁=5-60s

